Amendment
SN 09/126,884
Page 2

(2)   inserting, into an output transport stream, a next packet of said second program if said slot associated with said received packet corresponds to an insertion slot for said second program to be inserted;

(3)   inserting, into said output transport stream, said received packet if said slot associated with said received packet does not correspond to an insertion slot for said second program to be inserted; and

(4)   repeating steps (1) through (3) for each packet of said received transport stream until a replacement stream has been fully inserted into said output transport stream.

7.   An apparatus for processing a received transport stream comprising N time slots for transporting therein N respective programs having a common time base indicated by periodically inserted time stamps, where N is an integer greater than one said apparatus comprising:

a transport clock source;

a frequency divider for dividing a timing signal from said transport clock source into N timing signals;

N transport encoders coupled to said frequency divider for respectively receiving and encoding said N programs; and

a multiplexer, coupled to an output of said N transport encoders, for receiving and modifying packets associated with a desired time slot of one or more transport encoded program streams, said multiplexer producing a processed transport stream, said processed transport stream including respective modified programs having said common time base indicated by said periodically inserted time stamps provided by said received transport stream, wherein a modified packet uses a matching time stamp of said received transport stream.

12.   Apparatus for processing a received transport stream comprising a plurality of time slots for transporting therein a respective plurality of programs having a common time base indicated by periodically inserted time stamps, said apparatus comprising:

a transport clock source;